



PTO/SB/08A (10-01)
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/649,431
				Filing Date	August 27, 2003
				First Named Inventor	Wisler, Macmillan
				Art Unit	
				Examiner Name	
Sheet	One	of	Two	Attorney Docket Number	AES 03-003

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
R b		us- 4,684,946	08-04-1987	Issenmann, Olivier	
		us- 5,163,714	11-17-1992	Issenmann, Olivier	
		us- 5,394,141	02-28-1995	Soulier, Louis	
		us-5,945,923	08-31-1999	Soulier, Louis	
		us-6,531,871B1	03-11-2003	Hay, Richard & Sand, Bryon	
		us-6,628,206B1	09-30-2003	Soulier, Louis	
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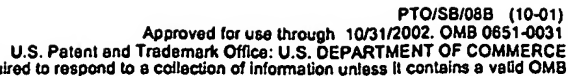
FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<i>aw</i>	Date Considered	12/2/05
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO

(use as many sheets as necessary)

Sheet	Two	of	Two
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Complete if Known


Application Number	10/649,431
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First Named Inventor	Wisler, Macmillan
Group Art Unit	
Examiner Name	
Attorney Docket Number	AES 03-003

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10/10/20

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Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

T2

	Peter Brett, Denis Weisbeck, Robert Graham; Innovative Technology Advances Use of Electromagnetic MWD Offshore in Southern North Sea; IADC/SPE 81628 Technical Paper. Presented at the IADC/SPE Underbalanced Technology Conference & Exhibition, held in Houston, TX, March 25-26, 2003.
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**Examiner
Signature**

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Date _____

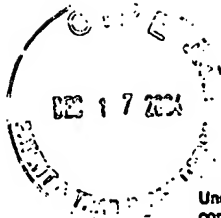
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		Number - Kind Code ² (if known)			
R P		US- 4,181,014	01-01-80	Zuvela, Bernard	
		US- 4,578,675	03-25-86	Machleod, Norman	
		US- 4,770,034	09-13-88	Titchener, Paul	
		US- 6,392,561 B1	05-21-02	Davies, Evan	
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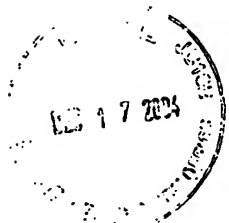
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		Country Code ³ - Number ⁴ - Kind Code ² (if known)				
R		EP 1035299A2	09-13-00	Van Steenwyk, D.		

Examiner Signature	<i>Albert</i>	Date Considered	12/2/05
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Sheet	Two	of	Two	Attorney Docket Number	AES 03-003

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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AW		Search Report - GB0417541.0	

Examiner Signature	AW	Date Considered	12/2/05
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